

# MMWR

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## Cardiac Deaths After a Mass Smallpox Vaccination Campaign — New York City, 1947

During the first wave of the 2003 smallpox vaccination campaign, two ischemic cardiac deaths occurred in civilian vaccinees aged 55 and 57 years, and one occurred in a military vaccinee aged 55 years, 4-17 days after vaccination with the New York City Board of Health (NYCBOH) vaccinia strain (1-3). Whether these and 13 other recognized military and civilian nonfatal ischemic events among vaccinees were associated with smallpox vaccination is unclear. The same NYCBOH strain was used in 1947 to vaccinate approximately six million New York City (NYC) residents (80% of the population) during a 4-week period (April 4-May 2) after a smallpox outbreak (Figure 1). To determine whether smallpox vaccination increased the risk for cardiac death in 1947, the NYC Department of Health and Mental Hygiene (DOHMH) analyzed data from NYC death certificates during that period. This report summarizes the results of that analysis, which found no increases in cardiac, atherosclerotic, or all-cause deaths. The findings are consistent with a growing body of evidence suggesting that ischemic cardiac deaths observed after the 2003 campaign might have been unrelated to vaccine.

In April 2003, data were extracted from NYC death certificates filed during March–June 1947 and from the same period in 1946 and 1948 (N = 81,529). DOHMH estimated the relative risk for cardiac deaths in the period after vaccination compared with other periods, adjusting for secular trends. The number of adults vaccinated on each of the 29 days of the vaccination campaign was estimated by using DOHMH records and articles from local newspapers and magazines (4). Death certificates issued in NYC during March–June in 1946–1948 were obtained from the NYC Municipal Archives. Date of death, age of decedent, and primary and other cause-of-death data (classified according to the *International Classification of Diseases, Fifth Revision* [ICD-5] codes) were abstracted from all records. Causes of death were defined as cardiac if the

FIGURE 1. New York City residents line up for vaccinations during a smallpox vaccination campaign — New York City, 1947



Photo/Associated Press

ICD-5 codes for primary or other cause included pericarditis (090), acute endocarditis (091), chronic endocarditis (092), myocardial disease (093), coronary artery diseases (094), or other disease of the heart (095). Certificates with illegible primary cause-of-death codes (0.6% of records) were excluded.

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#### Notifiable Disease Morbidity and 122 Cities Mortality Data

Robert F. Fagan Deborah A. Adams Felicia J. Connor Lateka Dammond Donna Edwards Patsy A. Hall Pearl C. Sharp Approximately 6.4 million NYC residents were vaccinated during April 4–May 2, 1947 (4) (Figure 2), including an estimated 500,000–1,000,000 persons each day during the peak 5 days of the vaccination campaign (April 17–21). The putative high-risk period for cardiac death was an estimated 4–17 days after vaccination, corresponding to the range of onset dates of cardiac events observed during the 2003 campaign. On the basis of these estimates, 2-week and 4-week risk periods were identified.

Daily mortality rates during the postvaccination risk periods were compared with rates during other periods. Counts of cardiac deaths were modeled by using Poisson regression analysis, adjusting for a long-term temporal trend during 1946–1948 and a seasonal trend during March–June each year.

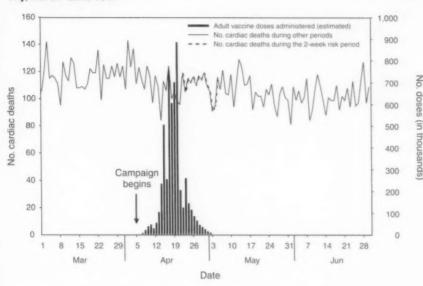
Of the 81,010 legible records available, 39,150 (48%) listed cardiac disease and 9,112 (11%) specified coronary artery or atherosclerotic disease as a cause of death. Counts of cardiac deaths ranged from 72 to 149 deaths per day during the study period (Figure 3). The difference in the rate of cardiac deaths was not statistically significant during the 2-week risk period compared with other periods among persons aged 50–64 years (rate ratio: 1.05; 95% confidence interval [CI] = 0.95–1.15) or among all adults (rate ratio: 1.01; 95% CI = 0.95–1.07) (Table). Similarly, no statistically significant increases in risk were observed in all-cause deaths, atherosclerotic deaths, or deaths caused by myo/pericarditis during the 4-week risk period compared with other periods.

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Editorial Note: The findings in this report indicate that incidence of cardiac deaths did not increase after the 1947 mass smallpox vaccination campaign in NYC. The large number and proportion of persons vaccinated in a short time permitted a focused assessment of cardiac deaths after vaccination. These results suggest that cardiac deaths observed in 2003 might have been unrelated to smallpox vaccination. However, factors that could limit the applicability of the 1947 study results to the 2003 vaccination campaign include 1) changes in characteristics or administration of the vaccine, 2) changes in population distribution of cardiac risk factors, and 3) differences in the vaccination and smallpox infection history (i.e., immunity status) of vaccine recipients in the two periods.

Both campaigns used the same NYCBOH vaccinia strain. Although long-term storage might have resulted in antigenic shift of the vaccine, DNA viruses such as vaccinia are not prone to antigenic variability (5). Both campaigns

FIGURE 2. Number of adult smallpox vaccination doses administered and number of cardiac deaths in estimated risk period for fatal cardiac adverse events — New York City, March—June 1947



administered the vaccine intradermally. In 1947, vaccinators used various multiple-pressure techniques; the 2003 technique involved multiple punctures with a bifurcated needle to administer the vaccine. Both campaigns used a vaccine that contained a mixture of lymph and other components. Before 1960, the vaccine consisted of wet glycerinated lymph (with a titer of  $\geq 10^6$  plaque-forming units [pfu]/mL) composed of 50% glycerine and 50% calf lymph (6). Currently, lyophilized NYCBOH vaccinia containing calf lymph is mixed with a diluent containing polymixin B, streptomycin, chlortetracycline, and neomycin to a titer of  $\geq 10^8$  pfu/mL. However, no evidence has been found to indicate that these changes would lead to increases in cardiac adverse events after vaccination.

Each of the 2003 vaccinees with cardiac fatalities had multiple risk factors for cardiac disease, including hypertension, hyperlipidemia, and smoking, and each had been vaccinated for smallpox in childhood. If risk factors for cardiac death were more prevalent in 2003 than in 1947, the number of cardiac-associated deaths probably would be greater among 2003 campaign vaccinees than among those in 1947. However, the prevalence of these three risk factors and cardiac mortality rates was substantially higher in 1947 than in 2003 (7,8). In addition, the 1947 vaccination campaign encouraged residents to participate regardless of health status, whereas the first wave of the 2003 campaign targeted only military, health-care, and emergency response professionals, all of whom were screened for noncardiac health problems and contraindications to vaccination.

If a greater proportion of those vaccinated in 1947 were revaccinees compared with those vaccinated in 2003, and if previous vaccination reduced the risk for subsequent cardiac mortality, the 1947 findings would underestimate the risk for cardiac death after vaccination in 2003. However, nearly all of the 2003 civilian vaccinees were born before 1971, when childhood smallpox vaccination was routine in the United States, and would have received the smallpox vaccine once during childhood.

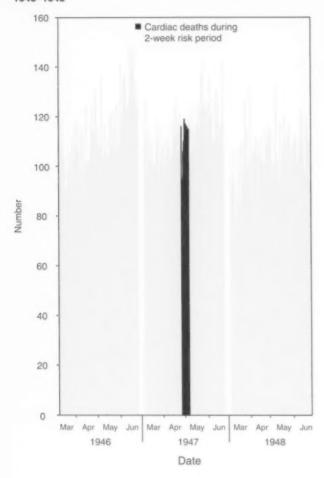
This was an ecologic study; data about individual vaccination status for the 1947 population were unavailable. However, approximately 80% of the NYC population was vaccinated during the 1947 campaign. Although the 20% who were not vaccinated during the campaign might have differed systematically from the general population, any bias prob-

ably would not be substantial enough to alter the results of this study qualitatively.

Myo/pericarditis after smallpox vaccination has been described previously (9) and has been observed in both civilians and military personnel vaccinated during the 2003 campaign. However, autopsy findings indicate that the 2003 cardiac deaths were linked not to myo/pericarditis but directly to ischemic events (2). In contrast to studies of inflammatory complications, few data support the association of ischemic cardiac adverse events with smallpox vaccination. Only one case series was found describing the experience of eight French vaccinees (of 12 million) aged 53–83 years who experienced acute ischemic events after smallpox vaccination, five of whom died (10).

Smallpox vaccination is recommended for military personnel and civilian first responders without contraindications who are identified as part of terrorism preparedness and first-response teams. New screening guidelines have been instituted to minimize potential ischemic risks by excluding persons with known cardiac disease or three or more cardiac risk factors. Although this study casts doubt on the causal link between death caused by cardiac adverse events and smallpox vaccination, in the absence of a smallpox outbreak, all potential volunteers should be screened for risk factors, and those at high risk for adverse reactions to vaccination should be excluded.

FIGURE 3. Number of daily cardiac deaths during risk periods compared with other periods — New York City, March—June 1946–1948



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TABLE. Rate ratios of cardiac deaths comparing postvaccination periods with reference periods\*, by outcome — New York City, March—June 1946–1948

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Outcome (ICD-5 <sup>†</sup> code)	Postvaccination period	Rate ratio	(95% CI <sup>§</sup> )
All cardiac deaths (090-095)	April 22-May 5 (2-week)	1.01	(0.96-1.07)
Persons aged 50-64 years		1.05	(0.95-1.15)
Atherosclerotic cardiac deaths (094)	April 22-May 5 (2-week)	1.06	(0.97-1.16)
Persons aged 50-64 years		1.00	(0.86-1.15)
Myo/pericarditis deaths (090, 093)	April 22-May 5 (2-week)	1.00	(0.94 - 1.07)
All deaths	April 22-May 5 (2-week)	1.00	(0.97 - 1.04)
All cardiac deaths (090-095)	April 16-May 13 (4-week)	0.99	(0.95-1.04)

\*All models are adjusted for long-term temporal and seasonal trends

International Classification of Diseases, Fifth Revision.

§Confidence interval.

# Follow-Up of Deaths Among U.S. Postal Service Workers Potentially Exposed to Bacillus anthracis — District of Columbia, 2001–2002

In October 2001, two letters contaminated with Bacillus anthracis spores were processed by mechanical and manual methods at the U.S. Postal Service (USPS) Brentwood Mail Processing and Distribution Center in the District of Columbia. Four postal workers at the Brentwood facility became ill with what was diagnosed eventually as inhalational anthrax; two died. The facility was closed on October 21, and postexposure prophylaxis was recommended for approximately 2,500 workers and business visitors (1). Subsequent reports of deaths of facility workers prompted concern about whether mortality was unusually high among workers, perhaps related to the anthrax attacks. To evaluate the rates and causes of death among workers at the Brentwood facility during October 12, 2001-October 11, 2002, CDC, in collaboration with state and local health departments, analyzed death certificate data. In addition, these data were compared with aggregate mortality data from the five USPS facilities contaminated with B. anthracis during the fall 2001 anthrax attacks. This report summarizes the results of that analysis, which indicate that rates and causes of death among Brentwood workers during the 12 months after the anthrax attacks of 2001 were not different from rates and causes of deaths that occurred during the preceding 5 years.

Deaths among Brentwood workers were identified through review of death certificates, which were obtained from the USPS Office of Personnel Management, the District of Columbia Health Department, and state health departments in Maryland and Virginia. Cause-specific deaths were compared with actuary/mortality tables from the National Center for Health Statistics. Aggregate mortality data for the five USPS facilities were obtained from the USPS Human Resources Management. Death rates for each USPS fiscal year were calculated by dividing the total number of deaths occurring at the respective facility by the number of USPS personnel assigned to that facility as of October 12, 2001. For each contaminated postal facility, a general linear model was used to compare death rates during the 5 years preceding the study period with the death rate during the study period.

During the study period, 2,646 persons were employed at the Brentwood facility; 2,434 (92%) were black, and 1,496 (57%) were male. A total of 11 deaths occurred among facility workers during this period, excluding the two deaths resulting from known inhalational anthrax (Table 1); deaths occurred during eight of 12 months. Of the 11 deaths, 10 (91%) were among blacks, and four (36%) were among

TABLE 1. Age, sex, race, and cause of death of U.S. Postal Service workers\* at the Brentwood Mail Processing and Distribution Center — District of Columbia, October 12, 2001—October 11, 2002

Age at death (yrs)	Sex	Race	Cause of death
43	Male	Black	Heart disease
51	Female	White	Cancer
53	Female	Black	Cancer
55	Male	Black	Heart disease
55	Male	Black	Heart disease
59	Female	Black	Heart disease
59	Male	Black	Heart disease
59	Male	Black	Heart disease
62	Male	Black	Liver disease
62	Female	Black	Liver disease
65	Male	Black	Septicemia

\* N = 11; excludes two previously known deaths resulting from inhalational anthrax

female workers; these proportions were not statistically different from the expected proportion of deaths in this population. The median age of workers at death was 56 years (range: 43-65 years) for both males and females, compared with the median worker age of 52 years (range: 25-75 years). Six (55%) deaths resulted from heart disease, two (18%) from malignant neoplasm, two (18%) from liver disease, and one from septicemia after a prolonged coma resulting from a cerebrovascular accident. On the basis of comparisons with U.S. mortality data (2), the rates of these causes of death among Brentwood workers during the study period did not differ from the rates for expected causes of death for the U.S. population, adjusted for age and race. Although annual death rates for workers from the five contaminated USPS facilities varied, consistent with differences in demographics, no statistically significant differences were observed between death rates during the study period and those during the 5 years preceding the study period (Table 2).

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**Editorial Note:** The findings in this report suggest that the rates and causes of death among workers of the Brentwood mail facility during the 12 months after the anthrax attacks of 2001 were not different from those expected for this population. Although death certificate data might be subject to misclassification (3,4), the listed causes of death for the 11 workers do not raise suspicion of anthrax or mortality caused by adverse drug reactions.

TABLE 2. Number\* of U.S. Postal Service (USPS) workers and death rates†, by USPS facility and fiscal years — United States, 1997–2002

Facility	No.	1997	1998	1999	2000	2001	2002	p value
Brentwood P&DC <sup>6</sup> , Washington, D.C.	2,646	4.54	6.80	3.78	4.54	2.65	4.16	0.86
Southern New Jersey P&DC, Bellmawr, New Jersey	714	7.00	5.60	4.20	7.00	4.20	2.80	0.14
Trenton P&DC, Trenton, New Jersey	963	3.12	2.08	4.15	2.08	3.12	4.15	0.26
Morgan P&DC, New York City, New York	4.662	3.70	3.04	2.83	1.96	2.83	2.39	0.52
Southern Connecticut P&DC, Wallingford, Connecticut	1,724	2.32	1.16	0.58	0	1.16	1.74	0.50

: As of October 2002

Per 1.000 workers.

USPS fiscal year is approximately October-September (varies slightly by year).

Processing and distribution center.

If another anthrax attack were to occur, prevention of deaths would probably depend on heightened surveillance and rapid diagnostics to identify an attack and prompt prophylaxis with antibiotics and vaccination. Three types of surveillance are needed: 1) pre-event surveillance systems to detect the initial case of anthrax, which signals a new outbreak or release; 2) event surveillance to focus on continuous case-finding; and 3) postevent surveillance to identify any cases that might have been missed and morbidity and mortality associated with treatment or prophylaxis. In each stage of surveillance, the goals, priorities, and methods differ. Evaluation of unexplained deaths is an ongoing surveillance initiative that is part of CDC's Emerging Infections Program (5).

Monitoring of death rates among persons potentially exposed to *B. anthracis* spores during the anthrax attacks of 2001 continues; however, the onset of anthrax disease 2 years after the exposures is unlikely. Through December 2003, CDC, in collaboration with federal, state, and local partners, will continue to assess mortality among postal workers potentially exposed to *B. anthracis* at the USPS facilities and rates of adverse events among all 10,000 persons for whom ≥60 days of postexposure prophylaxis was recommended (6).

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## Recognition of Illness Associated With Exposure to Chemical Agents — United States, 2003

Since September 11, 2001, concern has increased about potential terrorist attacks involving the use of chemical agents. In addition, recent cases involving intentional or inadvertent contamination of food with chemicals have highlighted the need for health-care providers and public health officials to be alert for patients in their communities who have signs and symptoms consistent with chemical exposures (1-3). For example, in February 2003, a Michigan supermarket worker was charged with intentionally contaminating 200 lbs. of meat with a nicotine-containing insecticide (3). Although intentional release of chemical agents might be an overt event (i.e., one whose nature reveals itself), such as release of a nerve agent in a subway or a large explosion of a chemical container, a chemical release might instead be a covert event (i.e., an unrecognized release in which the presence of ill persons might be the first sign of an exposure), such as deliberate contamination of food, water, or a consumer product. To increase the likelihood that health-care providers will recognize a chemical-release-related illness and that public health authorities will implement the appropriate emergency response and public health actions, CDC identified examples of chemicalinduced illness (Table) and created appropriate guidance for health-care providers and public health personnel. This report summarizes the epidemiologic clues and clinical signs or patterns of illness that might suggest covert release of a chemical agent. CDC is working to develop national surveillance capabilities for detecting chemicalrelease-related illnesses.

A covert release of a chemical agent might not be identified easily for at least five reasons. First, symptoms of exposure to some chemical agents (e.g., ricin) might be similar to those of common diseases (e.g., gastroenteritis). Second, immediate symptoms of certain chemical exposures might be nonexistent or mild despite the risk for long-term effects (e.g.,

TABLE. Selected\* clinical syndromes and potential chemical etiologies

Category	Clinical syndrome	Potential chemical etiology
Cholinergic crisis	<ul> <li>Salivation, diarrhea, lacrimation, bronchorrhea, diaphoresis, and/or urination</li> <li>Miosis, fasciculations, weakness, bradycardia or tachycardia, hypotension or hypertension, altered mental status, and/or seizures</li> </ul>	Nicotine† Organophosphate insecticides† — decreased acetylcholinesterase activity Carbamate insecticides Medicinal carbamates (e.g., physostigmine)
Generalized muscle rigidity	<ul> <li>Seizure-like, generalized muscle contractions or painful spasms (neck and limbs) and usually tachycardia and hypertension</li> </ul>	Strychnine     — intact sensorium
Oropharyngeal pain and ulcerations	Lip, mouth, and pharyngeal ulcerations and burning pain	Paraquat <sup>†</sup> — dyspnea and hemoptysis secondary to pulmonary edema or hemorrhage; can progress to pulmonary fibrosis over days to weeks  Diquat Caustics (i.e., acids and alkalis) Inorganic mercuric salts  Mustards (e.g., sulfur)
Cellular hypoxia	<ul> <li>Mild: nausea, vomiting, and headache</li> <li>Severe: altered mental status, dyspnea, hypotension, seizures, and metabolic acidosis</li> </ul>	Cyanide <sup>†</sup> (e.g., hydrogen cyanide gas or sodium cyanide — bitter almond odor <sup>§</sup> Sodium monofluoroacetate (SMFA) <sup>†</sup> — hypocalcemia or hypokalemia Carbon monoxide Hydrogen sulfide Sodium azide Methemoglobin-causing agents
Peripheral neuropathy and/or neurocognitive effects	<ul> <li>Peripheral neuropathy signs and symptoms: muscle weakness and atrophy, "glove and stocking" sensory loss, and depressed or absent deep tendon reflexes</li> <li>Neurocognitive effects: memory loss, delirium, ataxia, and/or encephalopathy</li> </ul>	Mercury (organic)† — visual disturbances, paresthesias, and/or ataxia Arsenic (inorganic)† — delirium and/or peripheral neuropathy Thallium — delirium and/or peripheral neuropathy Lead — encephalopathy Acrylamide — encephalopathy and/or peripheral neuropathy
Severe gastrointestinal illness, dehydration	<ul> <li>Abdominal pain, vomiting, profuse diarrhea (possibly bloody), and hypotension, possibly followed by multisystem organ failure</li> </ul>	Arsenic†     Ricin†     — inhalation an additional route of exposure; severe respiratory illness possible     Colchicine     Barium     — hypokalemia common

<sup>\*</sup>Not intended as a complete differential diagnosis for each syndrome or a list of all chemicals that might be used in a covert chemical release.

† Potential agents for a covert chemical release based on historic use (i.e., intentional or inadvertent use), high toxicity, and/or ease of availability.

§ Unreliable sign.

neurocognitive impairment from dimethyl mercury, teratogenicity from isotretinoin, or cancer from aflatoxin). Third, exposure to contaminated food, water, or consumer products might result in reports of illness to health-care providers over a long period and in various locations. Fourth, persons exposed to two or more agents might have symptoms not suggestive of any one chemical agent (i.e., a mixed clinical presentation). Finally, health-care providers might be less familiar with clinical presentations suggesting exposure to chemical agents than they are with illnesses that are treated frequently.

### Epidemiologic Clues Suggesting a Covert Chemical Release

Epidemiologic clues that might suggest the covert release of a chemical agent include 1) an unusual increase in the number of patients seeking care for potential chemical-release-related illness; 2) unexplained deaths among young or healthy persons; 3) emission of unexplained odors by patients; 4) clusters of illness in persons who have common characteristics, such as drinking water from the same source; 5) rapid onset of symptoms after an exposure to a potentially contaminated medium (e.g., paresthesias and vomiting within minutes of

eating a meal); 6) unexplained death of plants, fish, or animals (domestic or wild); and 7) a syndrome (i.e., a constellation of clinical signs and symptoms in patients) suggesting a disease associated commonly with a known chemical exposure (e.g., neurologic signs or pinpoint pupils in eyes of patients with a gastroenteritis-like syndrome or acidosis in patients with altered mental status).

Various chemical agents could be used as covert weapons, and the actual clinical syndrome will vary depending on the type of agent, the amount and concentration of the chemical, and the route of the exposure. However, certain clinical presentations might be more common with a covert chemical release. Certain syndromes are associated with groups of chemical agents with similar toxic properties that have been used previously, have high toxicity, or are easily available (Table) (4–10).

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Editorial Note: Health-care providers, public health agencies, and poison control centers might be the first to recognize illness, treat patients, and implement the appropriate emergency response to a chemical release. Familiarity with general characteristics of a covert chemical release and recognition of epidemiologic clues and syndromic presentations of chemical agent exposures could improve recognition of these releases and might reduce further morbidity and mortality.

Public health agencies and health-care providers might render the most appropriate, timely, and clinically relevant treatment possible by using treatment modalities based on syndromic categories (e.g., burns, respiratory depression, neurologic damage, and shock). Treating exposed persons by clinical syndrome rather than by specific agent probably is the most pragmatic approach to the treatment of illness caused by chemical exposures.

State and local health departments should educate healthcare providers to recognize unusual illnesses that might indicate release of a chemical agent. Strategies for responding to intentional chemical releases include 1) providing information or reminders to health-care providers and clinical laboratories; 2) encouraging reporting of acute poisonings to local poison control centers, which can guide patient management and facilitate notification of the proper health agencies, and to the local or state health department; 3) initiating surveillance for incidents that potentially involve the covert release of a chemical agent; 4) implementing the capacity to receive and investigate any report of such an event; 5) implementing appropriate protocols, including potentially accessing the Laboratory Response Network for Bioterrorism, to collect and transport specimens and to store them appropriately before laboratory analysis; 6) reporting immediately to CDC and local law enforcement if the results of an investigation suggest the intentional release of a chemical agent; and 7) requesting CDC assistance when necessary.

To begin developing national surveillance capabilities for detecting chemical-release–related illnesses, CDC is collaborating with the American Association of Poison Control Centers to use its Toxic Exposure Surveillance System to identify index cases, evolving patterns, or emerging clusters of hazardous exposures. Identification of early markers for chemical releases (e.g., characteristic symptom complexes, temporal and regional increases in hospitalizations, or sudden increases in case frequency or severity) will enable public health authorities to respond quickly and appropriately to an intentional chemical release.

CDC materials for emergency and health-care personnel, including a list of chemical agents and biologic toxins and their expected clinical syndromes, are available at http://www.bt.cdc.gov/agent/agentlistchem.asp. Additional information about responding to chemical attacks is available from the U.S. Army Medical Research and Materiel Command at http://www.biomedtraining.org/progmat.htm, the U.S. Army Medical Research Institute of Chemical Defense at http://ccc.apgea.army.mil, and CDC and the Agency for Toxic Substances and Disease Registry at http://www.atsdr.cdc.gov/mhmi.html.

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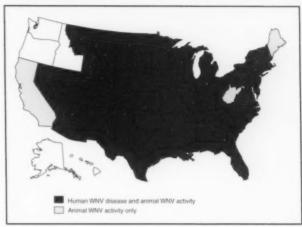
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## West Nile Virus Activity — United States, September 25– October 1, 2003

This report summarizes West Nile virus (WNV) surveillance data reported to CDC through ArboNET as of 3 a.m., Mountain Daylight Time, October 1, 2003.

During the reporting week of September 25–October 1, a total of 1,034 human cases of WNV infection were reported from 27 states (Colorado, Connecticut, Georgia, Illinois, Iowa, Kansas, Maryland, Massachusetts, Michigan, Minnesota, Missouri, Montana, Nebraska, New Hampshire, New Jersey, New Mexico, New York, North Carolina, Ohio, Oklahoma, Pennsylvania, South Dakota, Tennessee, Texas, Vermont, Virginia, and Wyoming), including 22 fatal cases from 10 states (Colorado, Georgia, Maryland, Michigan, Montana, Nebraska, New York, Pennsylvania, Texas, and Wyoming). During the same period, WNV infections were reported in 692 mosquito pools, 549 dead birds, 306 horses, four squirrels, two unidentified animal species, and one dog.

During 2003, a total of 5,861 human cases of WNV infection have been reported from Colorado (n = 1,991), Nebraska (n = 999), South Dakota (n = 840), Texas (n = 335), Wyoming (n = 313), Montana (n = 207), New Mexico (n = 174), North Dakota (n = 148), Iowa (n = 98), Minnesota (n = 96), Pennsylvania (n = 91), Louisiana (n = 67), Ohio (n = 57), Mississippi (n = 51), New York (n = 45), Oklahoma (n = 40), Kansas (n = 40), Missouri (n = 38), Florida (n = 32), Alabama (n = 26), Illinois (n = 22), Maryland (n = 20), North Carolina (n = 19), New Jersey (n = 17), Georgia (n = 13), Arkansas (n = 11), Massachusetts (n = 10), Wisconsin (n = 10), Connecticut (n = nine), Tennessee (n = eight), Virginia (n = seven), Indiana (n = six), Kentucky (n = six), Delaware (n = four), Rhode Island (n = three), New Hampshire (n = two), Arizona (n = one), Michigan (n = one), Nevada (n = one), South Carolina (n = one), Utah (n = one), and Vermont (n = one) (Figure). Of 5,787 (99%) cases for which demographic data were available, 3,028 (52%) occurred among males; the median age was 47 years (range: 1 month-99 years), and the dates of illness onset ranged from March 28 to September 26. Of the 5,787 cases, 115 fatal cases were reported from Colorado (n = 36), Nebraska (n = 15), Texas (n = 11), South Dakota (n = eight), Wyoming (n = eight), New York (n = six), New Mexico (n = four), Alabama (n = three), Iowa (n = three), Minnesota (n = three), Ohio (n = three), Georgia (n = two), Maryland (n = two), Missouri (n = two), Montana (n = two), Kansas (n = one), Louisiana (n = one), Michigan (n = one), Mississippi (n = one), New Jersey (n = one), North Dakota (n = one), and Pennsylvania (n = one). A total of 617 presumptive West Nile viremic blood donors have been FIGURE. Areas reporting West Nile virus (WNV) activity — United States, 2003\*



\* As of 3 a.m., Mountain Daylight Time, October 1, 2003.

reported to ArboNET. Of these, 558 (90%) were reported from the following nine western and midwestern states: Colorado, Kansas, Nebraska, New Mexico, North Dakota, Oklahoma, South Dakota, Texas, and Wyoming. Of the 489 donors for whom data was completely reported, four subsequently had meningoencephalitis, and 66 subsequently had West Nile fever. In addition, 8,955 dead birds with WNV infection were reported from 42 states, the District of Columbia, and New York City: 2,449 WNV infections in horses have been reported from 36 states, 19 infections in unidentified animal species, 13 infections in dogs, and nine infections in squirrels. During 2003, WNV seroconversions have been reported in 612 sentinel chicken flocks from 13 states. Of the eight seropositive sentinel horses reported, Minnesota reported four; South Dakota, three; and West Virginia, one. A total of 5,633 WNV-positive mosquito pools have been reported from 39 states and New York City.

Additional information about WNV activity is available from CDC at http://www.cdc.gov/ncidod/dvbid/westnile/index.htm and http://www.westnilemaps.usgs.gov.

#### Notice to Readers

#### SARS, Influenza, and Use of Influenza Vaccine

CDC supports and emphasizes the use of influenza vaccination for reducing influenza infections and their associated complications. CDC does not recommend influenza vaccination for the primary purpose of reducing the number of persons who might be evaluated for severe acute respiratory syndrome (SARS).

Influenza vaccine is effective only against influenza virus infection and is the best option for preventing influenza and its complications. These complications occur most often in children aged <24 months, persons aged >65 years, and those of any age who have certain medical conditions placing them at high-risk for having complications from influenza infection.\* Annual vaccination is recommended for persons at high risk aged >6 months and for persons in other target groups, including family members and other close contacts of highrisk persons, those aged 50-64 years, and health-care workers. Vaccination is encouraged, when feasible, for children aged 6-23 months and for their household contacts and out-ofhome caregivers. Influenza vaccination of health-care workers is especially important for reducing transmission of influenza viruses to patients with high-risk conditions in hospital and other health-care settings and for protecting the health-care workforce during the influenza season. Additional information about prevention and control of influenza is available http://www.cdc.gov/mmwr/preview/mmwrhtml/

On a population level, widespread use of the influenza vaccine will reduce the number of influenza cases and might decrease the number of persons with a febrile respiratory illness who are evaluated for SARS. However, such secondary benefits cannot be reliably anticipated. For example, the overall decrease in febrile respiratory illnesses would be minimal if circulating levels of influenza viruses are low or if other respiratory pathogens are actively circulating in a community.

Persons vaccinated against influenza can still have a febrile respiratory illness because influenza vaccine will not prevent infection by noninfluenza agents and the effectiveness of influenza vaccine is <100%. Therefore, receipt of influenza vaccination in a person who subsequently experiences a febrile respiratory illness does not eliminate influenza as a possible cause nor necessarily increase the likelihood that the illness is SARS.

\*Persons at high risk include residents of chronic care facilities, persons with chronic pulmonary or cardiovascular disorders (e.g., asthma, chronic metabolic diseases, renal dysfunction, hemoglobinopathies, or immunosuppression), children receiving long-term aspirin therapy, and women who will be in the second or third trimester of pregnancy during the influenza season.

#### Notice to Readers

### Domestic Violence Awareness Month, October 2003

October is Domestic Violence Awareness Month (DVAM). Approximately 1.5 million U.S. women and 835,000 U.S. men are raped or physically assaulted by a current or former spouse, cohabitating partner, or date each year (1). The annual health-related costs of intimate partner violence in the United States is approximately \$5.8 billion (2). During October, state and territorial domestic violence coalitions, corporations, health-care providers, faith-based groups, and CDC will highlight activities that increase awareness about intimate partner violence.

A packet of materials designed to help plan events, initiate outreach in communities, and generate public awareness about domestic violence during October and throughout the year is available from the National Resource Center on Domestic Violence, Domestic Violence Awareness Month Project, 6400 Flank Drive, Suite 1300, Harrisburg, PA 17112-2778, telephone 800-537-2238, and at http://dvam.vawnet.org. Additional information about DVAM is available from CDC at http://www.cdc.gov/injury.

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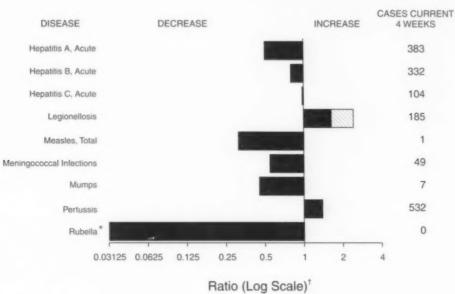
## Erratum: Vol. 52, No. SS-9

In the Surveillance Summary, "Assisted Reproductive Technology Surveillance—United States, 2000," dated August 29, 2003, an error occurred on page 6, in the third paragraph of the Discussion section. The text should read, "This divergence is not surprising because Massachusetts had a statewide mandate for insurance coverage for ART procedures in 2000." Although a similar mandate was introduced in New Jersey in early 2000, it was not approved until August 2001 and did not take effect until January 1, 2002.

## Erratum: Vol. 52, No. 38

In the article, "Update: Detection of West Nile Virus in Blood Donations United States, 2003," an error occurred on page 918 in the second sentence of the third full paragraph discussing Case 2. The sentence should read, "These 20 samples were tested by NAT at three different laboratories; one sample tested equivocal at one laboratory (Lab A), reactive in a second, and nonreactive in a third." This sample subsequently tested positive for West Nile virus RNA at a fourth laboratory and was reactive when retested at Lab A by using a larger extraction volume (estimated virus titer: 0.1 plaqueforming units/mL).

FIGURE I. Selected notifiable disease reports, United States, comparison of provisional 4-week totals September 27, 2003, with historical data



Beyond Historical Limits

No rubella cases were reported for the current 4-week period yielding a ratio for week 39 of zero (0).

Patio of current 4-week total to mean of 15 4-week totals (from previous, comparable, and subsequent 4-week periods for the past 5 years). The point where the hatched area begins is based on the mean and two standard deviations of these 4-week totals.

TABLE I. Summary of provisional cases of selected notifiable diseases, United States, cumulative, week ending September 27, 2003 (39th Week)\*

		Cum. 2003	Cum. 2002		Cum. 2003	Cum. 2002
Anthrax	Ī		2	Hansen disease (leprosy) <sup>†</sup>	43	67
Botulism:			- 1	Hantavirus pulmonary syndrome <sup>1</sup>	15	15
foodb	oome	9	23	Hemolytic uremic syndrome, postdiarrheal <sup>1</sup>	103	158
infant		40	51	HIV infection, pediatric <sup>15</sup>	151	120
other	(wound & unspecified)	22	12	Measles, total	371	26**
Brucellosis†		53	89	Mumps	142	208
Chancroid		33	54	Plague	1	•
Cholera		1	1	Poliomyelitis, paralytic		
Cyclosporiasis†		54	146	Psittacosis <sup>1</sup>	12	13
Diphtheria		-	1 1	Q fever <sup>†</sup>	52	43
Ehrlichiosis:			- 1	Rabies, human		2
huma	an granulocytic (HGE)1	236	220	Rubella	7	11
huma	an monocytic (HME)†	118	148	Rubella, congenital		1
other	and unspecified	20	16	Streptococcal toxic-shock syndrome <sup>†</sup>	121	90
ncephalitis/Mening	itis:		-	Tetanus	11	17
Califo	ornia serogroup viral <sup>†</sup>	49	96	Toxic-shock syndrome	99	82
easte	ern equine <sup>†</sup>	7	2	Trichinosis	2	13
Powa	assan†	-	1 1	Tularemia†	58	60
St. Lo	ouis†	8	16	Yellow fever	*	
weste	ern equine <sup>†</sup>	-				

-: No reported cases

Incidence data for reporting years 2002 and 2003 are provisional and cumulative (year-to-date).

Not notifiable in all states.

Updated monthly from reports to the Division of HIV/AIDS Prevention — Surveillance and Epidemiology, National Center for HIV, STD, and TB Prevention. Last update August 24, 2003.

Of 37 cases reported, 29 were indigenous, and eight were imported from another country.

\*\* Of 26 cases reported, 13 were indigenous, and 13 were imported from another country.

TABLE II. Provisional cases of selected notifiable diseases, United States, weeks ending September 27, 2003, and September 28, 2002 (39th Week)\*

	All	DS	Chlar	mydia†	Coccidio	domycosis	Cryptosp	oridiosis		is/Meningitis st Nile
Reporting area	Cum. 2003 <sup>5</sup>	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002
INITED STATES	30.269	29,547	606,232	615,449	2.820	3.369	2.104	2.232	812	1,877
IEW ENGLAND	989	1,225	20,219	20,367			125	152		23
laine	49	27	1,439	1,227	N	N	16	9	-	-
l.H. t.	24 13	25 12	1,023 752	1,169 672	-		11 26	25 26		
tass.	408	629	8,285	8,156			48	63		16
I.I.	79	74	2,183	2,043			12	16		
conn.	416	458	6,537	7,100	N	N	12	13	*	7
MID. ATLANTIC	6,726	6,786	81,771	68,999	-		265	286	52	72
Ipstate N.Y.	693	522	14,548	12,396	N	N	88	84		21
I.Y. City	3,390	3,943 1,075	23,888 9.670	22,807 10,513		-	62	113	2	26 21
Pa.	1,484	1,246	33,665	23,283	N	N	111	74	50	4
N. CENTRAL	2.925	2,916	99,963	112,994	7	20	536	767	52	1,077
Ohio	555	513	24,261	28,335	-	-	97	98	52	137
nd.	378	397	12,362	12,713	N	N	69	33	*	17
II. Mich.	1,348	1,359 502	29,711 22,468	35,986	7	2	56 99	101 91	*	547
Vis.	506 138	145	11,161	23,249 12,711	,	18	215	444	-	335 41
V.N. CENTRAL	563	487	34.269	34,872	1	1	408	305	208	53
Ainn.	110	106	7,479	7,803	N	N	114	154	27	-
owa	63	58	2,676	4,073	N	N	76	37	33	-
Ao.	266	224	13,033	11,767			31	29	20	24
N. Dak. S. Dak.	2	3	1,956	910 1,606	N	N	12 31	10 18	38	14
lebr.1	39	44	3.269	3,570	1	1	15	43	32	11
Cans.	74	51	5,156	5,143	N	N	129	14	53	4
S. ATLANTIC	8,582	8,879	116,625	115,897	3	3	258	226	65	44
Del.	176	155	2,239	1,966	N	N	3	2	2	
Ad. D.C.	994 765	1,399	12,201 2,101	11,971 2,423	3	3	17 12	16	13	17
la.	655	607	12,536	13,056	-	-	35	12	6	
V. Va.	61	67	1,916	1,836	N	N	4	2		
V.C.	869	760	19,337	18,486	N	N	34	28		;
S.C. <sup>1</sup> Ga.	551 1,369	608 1,236	11,795 24,292	10,848 23,747	*	*	3 79	6 90	1 15	1
Fla.	3,142	3,648	30,208	31,564	N	N	71	66	28	7
E.S. CENTRAL	1,306	1.384	39.076	39.667	N	N	97	104	20	237
ζy.	111	222	5,934	6,582	N	N	21	4	4	30
lenn.	575	566	15,051	12,106	N	N	32	50	6	1
Ala. Miss.	308 312	298 298	9,097 8,994	12,228 8,751	N	N	35 9	43	10	23 183
W.S. CENTRAL	3.128	3.308			14					
Ark.	127	190	74,155 5,754	81,671 5,699		10	46 13	51	166	370
.a.	414	808	12,610	14,584	N	N	2	9	2	191
Okla.	154	155	6,828	8,520	N	N	10	11	13	
řex.	2,433	2,155	48,963	52,868	-	10	21	24	140	171
MOUNTAIN	1,152	1,025	34,244	38,090	1,957	2,142	104	125	245	1
Mont. daho	11 17	9 24	1,325 1,860	1,614 1,832	N	N	17 20	23	200	1
Nyo.	6	8	739	692	1		4	9	41	-
Colo.	296	211	8,147	10,519	N	N	27	45	-	*
V. Mex. Ariz.	92 490	65 432	5,052 9,880	5,620 11,147	5 1.914	2.093	8	18 11	2	
Jtah	47	49	3.114	2,182	9	2,093	16	11	1	-
Nev.	193	227	4,127	4,484	28	31	7	4	i	
PACIFIC	4,898	3,537	105,910	102,892	851	1,192	265	216	4	
Wash.	311	336	12,264	10,875	N	N	25	22		
Oreg.	184	234	4,709	5,033	054	* ***	33	33	4	*
Calif. Alaska	4,319 13	2,858	83,679 2,693	80,929 2,727	851	1,192	206	159		
Hawaii	71	87	2,565	3,328		-		2	*	
Guam	6	1		481						
P.R.	787	798	1,391	1,917	N	N	N	N		
V.I. Amer. Samoa	25	63	142	125	-					
C.N.M.I.	U 2	U	U	U	U	U	U	U	U	U

N: Not notifiable. U: Unavailable. -: No reported cases. C.N.M.I.: Commonwealth of Northern Mariana Islands.

\* Incidence data for reporting years 2002 and 2003 are provisional and cumulative (year-to-date).

† Chlamydia refers to genital infections caused by C. trachomatis.

† Updated monthly from reports to the Division of HIV/AIDS Prevention — Surveillance and Epidemiology, National Center for HIV, STD, and TB Prevention. Last update August 31, 2003.

† Contains data reported through National Electronic Disease Surveillance System (NEDSS).

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending September 27, 2003, and September 28, 2002 (39th Week)\*

		Escheri	ichia coli, Enter	rohemorrhagic	(EHEC)								
			Shiga toxi	n positive,	Shiga toxi	n positive,							
		57:H7		non-O157	not sero			rdiasis		orrhea			
Reporting area	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002					
UNITED STATES	1,682	2,728	167	147	105	34	12,601	15,017	230,483	262,380			
NEW ENGLAND	107	203	27	39	13	4	892	1,351					
Maine	8	24		6	-	-	123	155	146	101			
V.H. /t.	11	26 8	2	1			21 90	33 99					
Mass.	45	98	3	17	13	4	399	728					
R.I. Conn.	1 29	10 37	22	1	-	2	84 175	119 217					
					24								
MID. ATLANTIC Upstate N.Y.	179 72	296 128	11	1	24 11	6	2,475 730	3,059 866					
N.Y. City	4	13			-		814	1,116	9,422	9,466			
N.J. Pa.	13 90	50 105	4	1	13	5	241 690	357 720					
						4							
E.N. CENTRAL Ohio	381 76	674 115	18 13	28	16 15	3	2,037 653	2,611 668					
Ind.	71	47		1					4,838	5,448			
III.	73	158	*	6	*	1	527	739					
Mich. Wis.	61 100	109 245	5	3	1		532 325	682 522					
W.N. CENTRAL	291	385	29	26	22	4	1,419	1,486					
Minn.	101	134	16	22	1		546	568	2,075	2,349			
lowa	63 64	95	o o		1	*	204	233 361	607	932 6,658			
Mo. N. Dak.	8	51	8	-	9		361 24	14	6,246	55			
S. Dak.	21	33	4	1	-		57	51	167	193			
Nebr. Kans.	15 19	45 23	1	3	11	4	89 138	123 136	1,083 1,930	1,155 2,096			
					7				57,875				
S. ATLANTIC Del	110	215	55 N	27 N	N	N	1,967 34	2,199	868	66,789 1,191			
Md.	7	22		-			82	95	5,892	6,721			
D.C.	1	49	8	7		*	37 250	32 215	1,672 5,824	1,980 7,751			
Va. W. Va.	32	6	0				33	44	655	735			
N.C.	4	36	21	*			N	N	11,086	12,117			
S.C.	23	5 38	3	7			82 667	106 701	6,424 12,118	6,948 13,062			
Ga. Fla.	36	51	23	13	7	*	782	965	13,336	16,284			
E.S. CENTRAL	62	88	3		6	9	257	289	19,131	22,843			
Ky.	22	25	3	-	6	9	N	N	2,627	2,796			
Tenn. Ala.	24 13	38 17				-	121 136	128 161	6,231 5,736	7,042 7,822			
Miss.	3	8		-	-		100	101	4,537	5,183			
W.S. CENTRAL	65	95	1	-	12	3	215	181	30,635	36,661			
Ark.	8	9			-		109	124	2,994	3,561			
La.	3 21	19			-	*	5 101	4 51	7,645 2,691	9,030 3,620			
Okla. Tex.	33	63	1		12	3	101	2	17,305	20,450			
MOUNTAIN	215	268	21	20	5	4	1,156	1,190	7,378	8,267			
Mont.	12	25			-		77	72	73	70			
Idaho Wyo.	46	36 11	14	10			137 17	89 23	57 33	66 44			
Colo.	54	80	3	5	5	4	329	391	1,942	2,614			
N. Mex.	7	6	3	3			36	119	819	1,108			
Ariz. Utah	25 51	31 56	N	N	N	N	202 266	150 237	2,702	2,738 213			
Nev.	18	23	1	-			92	109	1,449	1,414			
PACIFIC	272	504	2	6	~	*	2,183	2,651	21,558	22,034			
Wash.	76	112	1		-	*	223	303	2,057	2,157			
Oreg. Calif.	71 116	174 179	1	6	-		298 1,540	324 1,878	659 17,851	636 18,280			
Alaska	3	6		*			59	76	393	451			
Hawaii	6	33				*	63	70	598	510			
Guam	N	N			*	*		7	454	37			
P.R. V.I.		1	-				35	66	151 36	276 31			
Amer. Samoa	Ú	Ü	Ú	Ü	U	U	U	U	Ü	U			
C.N.M.I.		U		U	-	U		U		U			

N: Not notifiable. U: Unavailable. -: No reported cases.
\* Incidence data for reporting years 2002 and 2003 are provisional and cumulative (year-to-date).

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending September 27, 2003, and September 28, 2002 (39th Week)\*

				Haemophilus	influenzae, inv	asive†			Hep	atitis
	All a	iges	T			years			_	te), by type
	All ser	-	Serot	ype b	1	otype b	Unknown	serotype		A
	Cum.	Cum.	Cum.	Cum.	Cum.	Cum.	Cum.	Cum.	Cum.	Cum.
Reporting area	2003	2002	2003	2002	2003	2002	2003	2002	2003	2002
JNITED STATES	1,292	1,266	15	25	72	102	135	116	4,444	6,894
NEW ENGLAND Maine	103	85 1	1		6	8	5	2	232	243
N.H.	11	7	1	-	-	-	-		11	11
Vt. Mass.	7 47	6 40	į.		6	4	3	2	133	110
R.I.	6	10			-		1	-	12	30
Conn.	28	21	*	*		4			61	83
MID. ATLANTIC Jpstate N.Y.	296 110	234 91		2	1	14	38 11	20 6	892 94	882 141
N.Y. City	47	55				-	10	9	324	340
N.J. Pa.	52 87	46 42	-	3	2	10	6 11	5	103 371	149 252
E.N. CENTRAL	183	248	4	3	7	9	28	32	476	861
Ohio	58	63		-	-	1	10	7	84	241
Ind.	37	35	1	1	4	7		47	58	38
III. Mich.	58 19	97 11	3	2	3	1	14	17	146 150	233 179
Wis.	11	42			-	-	3	8	38	170
W.N. CENTRAL	92	56	1	1	7	2	12	4	145	243
Minn. Iowa	36	36	1	1	7	2	2	2	37 25	36 54
Mo.	36	11				-	10	2	51	73
N. Dak.	1	4	-	-	*	*	-	-	-	1 3
S. Dak. Nebr.	2	1	-			-	-		8	16
Kans.	16	3		-	-	-	-	-	24	60
S. ATLANTIC	302	288	1	5	12	15	14	22	1,067	1,900
Del. Md.	67	72	-	2	5	3		1	110	11 243
D.C.	07	12		-	-	-			30	65
Va.	41	25	*	*		:	5	4	69	97
W. Va. N.C.	14 35	16 30		2	3	1 3	í	1	14 72	15 182
S.C.	3	11		-				2	26	54
Ga. Fla.	54 88	61 73	1	3	4	8	5	10	408 334	367 866
E.S. CENTRAL	59	54	1	1	-	4	8	10	158	206
Ky.	4	4				1			25	41
Tenn.	33	27	1		-	-	4	7	105	83
Ala. Miss.	20	14 9		1	-	3	1	1 2	14 14	32 50
W.S. CENTRAL	52	46	1	2	7	8	3	2	201	809
Ark.	7	1			1	-			17	45
La. Okla.	7 35	6 37			6	8	2	2	38 10	64 39
Tex.	3	2	1	2	-	-			136	661
MOUNTAIN	128	139	4	4	18	25	17	13	364	439
Mont. Idaho	4	2			-		1	1	7	12 24
Wyo.	1	2							1	2
Colo.	26	26			:	-	5	2	56	67
N. Mex. Ariz.	14 64	22 62	4	2	6	6	1 8	1	15 209	20 237
Utah	11	14	-	1	5	3	2		34	39
Nev.	8	11		1	3	2	*	3	42	38
PACIFIC Wash.	77 9	116	2	7	14	17	10 2	11	909	1,311
Oreg.	37	44			0		3	3	46	50
Calif.	17	39	2	6	8	16	4	4	806	1,096
Alaska Hawaii	14	30					1	1 3	8 7	8 23
Guam								-		
P.R.		1							26	177
V.I. Amer, Samoa	ũ	Ú	ú	Ú	ū	Ü	Ú	Ū	ū	ũ
		U	U	U	U	U	U	U	U	U

N: Not notifiable. U: Unavailable. -: No reported cases.

\* Incidence data for reporting years 2002 and 2003 are provisional and cumulative (year-to-date).

\* Non-serotype b: nontypeable and type other than b; Unknown serotype: type unknown or not reported. Previously, cases reported without type information were counted as non-serotype b.

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending September 27, 2003, and September 28, 2002

			, acute), by ty							
		В				ellosis	Lister			disease
leporting area	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002
INITED STATES	4,494	5,463	1,213	1,420	1,416	837	436	456	12,515	15,259
IEW ENGLAND	180	212	3	18	64	74	35	51	2,193	4.298
Maine	1	8	-	-	2	2	6	5	161	49
l.H. /t.	11 2	15	3	12	6 5	31	3	4 3	87 32	189
Mass.	147	118		6	22	28	13	27	487	1.666
R.I.	11	21			13	1	-	1	434	252
Conn.	8	46	U	U	16	8	13	11	992	2,112
AID. ATLANTIC	720	1,158	124	80	398	233	85	134	8,430	8,255
Jpstate N.Y.	90	91	36	35	118	61	24	42	3,481	3,611
V.Y. City V.J.	254 165	575 233	-	4	32 34	50 27	14 11	31 27	5 1,372	56 1,991
Pa.	211	259	88	41	214	95	36	34	3,572	2,597
E.N. CENTRAL	293	501	129	81	278	217	52	59	592	1,131
Ohio	108	70	7	-	175	85	18	15	57	49
nd.	28	38	7		20	14	5	6	17	18
III.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	115	14	18	3	21	7	15	7	46
Mich. Wis.	133 23	235 43	101	60	67 13	65 32	17 5	15 8	511	25 993
			102			43			269	193
W.N. CENTRAL Minn.	237	168 20	183	605	52	43 10	16 8	12	196	193
owa	8	13	1	1	9	10	-	1	29	32
Mo.	165	88	174	591	24	11	5	7	33	36
N. Dak.	2	4	-	1	1	2	-	1	1	1
S. Dak. Nebr.	18	22	1	10	2	10	3	1	2	6
Kans.	13	20	-		9		-	1	8	6
S. ATLANTIC	1.389	1,290	126	159	397	142	94	58	848	1,098
Del.	5	13	-	*	21	7	N	N	137	153
Md.	98	97	13	9	98	28	14	14	486	619
D.C.	9	15	7	9	13	5	9	4	6 66	18 123
Va. W. Va.	137 25	152 18	1	2	72 15	17	6	4	17	123
N.C.	111	174	11	22	30	9	15	5	77	101
S.C.	110	90	24	4	5	6	2	8	3	13
Ga.	409	333	3	61	24	13 57	25 23	9	12 44	2 57
Fla.	485	398	67	52	119					
E.S. CENTRAL	303	284	64	104	79	26 10	23	13	43 11	56 19
Ky. Tenn.	50 147	47 106	10 18	22	35 28	10	5	7	12	20
Ala.	47	59	6	6	13	6	11	4	5	8
Miss.	59	72	30	72	3		2	-	15	9
W.S. CENTRAL	225	753	456	239	36	25	21	27	38	124
Ark.	38	94	3	10	2	*	1	-		2
La.	46 31	102 52	46	76 5	6	4	1 2	2 7	3	3
Okla. Tex.	110	505	405	148	28	18	17	18	35	119
	472	482	41	45	50	33	28	25	15	13
MOUNTAIN Mont.	13	482	1	45	3	3	2	25		13
Idaho		6			3	1	2	2	3	3
Wyo.	27	15		5	2	2			1	1
Colo.	63	61	12	6	11 2	7 2	10	6 2	4	1
N. Mex. Ariz.	27	137 176	7	2	9	7	9	11	1	2
Utah	49	33	-	4	15	8		3	3	4
Nev.	59	47	21	24	5	3	3	1	3	1
PACIFIC	675	615	87	89	62	44	82	77	87	91
Wash.	54	56	14	17	8	3	3	8	3	9
Oreg.	84	102	12	10	N	N	5	8 53	16 65	11
Calif. Alaska	509 8	443	58	61	54	41	70	55	3	3
Hawaii	20	8	2	1		-	4	8	N	N
Guam	,		-							
P.R.	41	144	~					2	N	N
V.I.		-								
Amer. Samoa C.N.M.I.	U	U	U	U	U	U	U	U	U	U

N: Not notifiable. U: Unavailable. -: No reported cases.

\* Incidence data for reporting years 2002 and 2003 are provisional and cumulative (year-to-date).

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending September 27, 2003, and September 28, 2002

	Mai	aria		ococcal ease	Pert	ussis	Rabies	, animal		Mountain d fever
Reporting area	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002
JNITED STATES	775	1.085	1,223	1,402	5,115	6,019	4,303	5.896	578	774
IEW ENGLAND	29	63	57	78	507	543	431	707	-	6
Maine	3	5	5	4	12	12	47	45		
I.H.	2	7	3	11	57	11	13	38	-	
ít.	1	2	2	4	55	101	28	82	*	-
Mass. R.I.	6 2	26 5	36 2	41	365 16	379 13	160 50	222 59		3
Conn.	15	18	9	13	2	27	133	261	-	
AID. ATLANTIC	189	291	145	172	533	314	681	963	31	47
Jostate N.Y.	47	32	36	38	308	215	318	546	2	
N.Y. City	87	188	28	32	-	15	5	10	10	9
V.J.	25	38	19	26	39		62	138	10	16
Pa.	30	33	62	76	186	84	296	269	9	22
E.N. CENTRAL	72	139	175	202	433	706	133	146	13	26
Ohio	15	16	47	63	192	339	46	31	10	10
nd.	2	12	39	24	50	91	22	30	1	3
II. Mich.	23	58 42	38 34	44 33	80	111 41	19 39	30 41	2	11 2
Wis.	9	11	17	38	111	124	7	14	-	-
W.N. CENTRAL	41	52	112	119	306	516	473	386	57	99
W.N. CENTHAL Minn.	21	16	22	29	120	241	27	35	5/	99
owa	5	4	18	19	78	108	95	62	2	3
Mo.	5	14	54	39	66	105	42	44	45	91
N. Dak.	1	1	1	*	4	5	45	32		
S. Dak. Nebr.	2	5	7	23	3 5	6	67 58	76	4 3	1 4
Kans.	7	11	9	7	30	44	139	137	2	4
S. ATLANTIC	236	256	223	228	470	345	1,954	2,059	353	361
Del.	3	3	7	7	470	2	43	2,059	353	301
Md.	59	88	24	7	60	55	246	307	86	33
D.C.	9	18			1	1	-			-
Va.	28	22	20	34	83	117	412	459	23	27
W. Va. N.C.	19	3 19	30	4 29	14 99	30 36	70 601	144 551	5 173	226
S.C.	3	7	20	23	90	36	172	104	14	45
Ga.	47	43	28	25	30	24	286	328	42	19
Fla.	64	53	90	99	92	44	124	142	9	9
E.S. CENTRAL	13	18	62	78	119	195	142	193	73	104
Ky.	6	6	15	12	41	81	30	21	1	5
Tenn.	4	3	16	31	57	76	86	108	52	63
Ala. Miss.	3	4 5	15 16	19 16	15 6	30 8	26	60	12	11 25
	00									
W.S. CENTRAL Ark.	22	61	132 12	173 22	429 30	1,369 470	180 25	932	41	115
La.	3	4	25	35	6	7	23	ŝ		42
Okla.	4	8	14	17	12	35	155	97	40	61
Tex.	11	47	81	99	381	857		832	1	12
MOUNTAIN	36	38	60	77	745	725	144	262	9	13
Mont.		1	3	2	4	5	20	16	1	1
Idaho	1	•	6	3	62	56	14	32	2	-
Wyo. Colo.	1	21	2 18	23	123 254	10 283	6 34	18 56	2 2	4 2
N. Mex.	1	2	7	4	50	156	5	10	2	1
Ariz.	12	6	15	23	126	109	52	116	1	
Utah	4	5	1	4	101	62	10	10	1	
Nev.	1	3	8	18	25	44	3	4	-	5
PACIFIC	137	167	257	275	1,573	1,306	165	248	1	3
Wash.	21	16	25	51	490	364				
Oreg. Calif.	100	134	44 176	39 175	366 705	162 749	6	14 208	1	2
Alaska	100	2	3	4	1	4	152 7	26	1	1
Hawaii	6	6	9	6	11	27	1	-	-	
Guam				1	-	2				
P.R.	1	1	2	6		2	59	66	N	N
V.I.			*			-	-		-	-
Amer, Samoa	U	U	U	U	U	U	U	U	U	U

N: Not notifiable. U: Unavailable. -: No reported cases.

\* Incidence data for reporting years 2002 and 2003 are provisional and cumulative (year-to-date).

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending September 27, 2003, and September 28, 2002 (39th Week)\*

					Cironia	al disacco	-	tococcus pne	umoniae, inv	asive
	Salmo	nellosis	Shige	llosis	Streptococc invasive,		Drug res		Age <	5 years
Reporting area	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002
INITED STATES	28,208	31,144	15,835	14,264	4,201	3,656	1,620	1,859	327	248
IEW ENGLAND	1,598	1,667	236	255	333	274	40	89	6	2
laine	99	108	6	4	22	20	-	-	.7	
I.H.	94	106	5	9	21	31	6	4	N 3	N 1
t. Nass.	52 944	66 941	6 157	163	18 159	9	N	N	N	N
1.1.	107	122	14	12	11	14	10	12	3	1
onn.	302	324	48	66	102	106	24	73	U	U
MID. ATLANTIC	3,270	4,202	1,690	1,288	765	583	100	88	75	60
Ipstate N.Y.	856	1,131	325	208	305	235	55	75	58	49
I.Y. City	876	1,065	287	360	101	133	U	U	N	N
l.J. Pa.	358 1,180	816 1,190	206 872	476 244	130 229	124 91	45	13	17	11
					900		337	166	134	97
.N. CENTRAL	4,080 1,091	4,322 1,021	1,319 254	1,609 480	255	783 174	219	33	77	5
nd,	461	408	125	79	94	41	118	131	35	46
I.	1,289	1,458	642	773	181	227		2	*	
flich.	612	699	198	136	308	246	N	N	N	N
Vis.	627	736	100	141	62	95	N	N	22	46
V.N. CENTRAL	1,880	1,902	613	800	269	202	131	333	45	41
Ainn.	403	432	78	165	135	100	61	220	39	37
owa	276 752	325 641	54 302	99 126	N 57	N 41	N 9	N 5	N 2	N 1
Ио. N. Dak,	28	24	3	16	11	***	3	1	4	3
S. Dak.	90	83	13	151	19	12	1	1		
lebr.	113	135	95	173	21	18		25	N	N
Cans.	218	262	68	70	26	31	118	81	N	N
S. ATLANTIC	7,571	7,794	5,699	4,507	743	603	847	865	16	25
Del.	61	71	148	139	6	2	1	3	N	N
Md.	641	727	502	863	220	93	2	*	6	19
D.C. Va.	35 809	57 846	60 322	48 721	12 90	66	N	N	N	N
wa. W. Va.	107	98	222	9	31	16	57	36	10	3
N.C.	959	1.042	815	278	92	107	N	N	U	U
S.C.	472	552	305	91	32	32	117	150	N	V
Ga.	1,431	1,443	1,359 2,188	1,030	93 167	115 166	197 473	219 457	N	N
Fla.	3,056	2,958		1,328						
E.S. CENTRAL	1,864 316	2,318	669 91	1,028	165 37	90 18	109 15	115 13	Ň	N
Ky. Tenn.	557	265 592	245	77	128	72	94	102	N	N
Ala.	406	598	198	538	120			-	N	1
Miss.	585	863	135	300			*		-	
W.S. CENTRAL	2.588	3,352	2.897	2,198	189	244	33	161	47	19
Ark.	568	727	79	152	5	6	8	6	-	
La.	258	585	144	352	1	1	25	152	10	6
Okla. Tex.	350 1,412	379 1,661	633 2,041	402 1,292	69 114	37 200	N	N	27 10	11
								42	4	4
MOUNTAIN	1,646 78	1,664 75	877	609	369	432	20	42	4	-
Mont. Idaho	135	105	24	7	18	9	N	N	N	1
Wyo.	69	58	6	7	2	7	4	11		
Colo.	379	469	209	134	111	90	*	7	-	
N. Mex.	174	229	154	120	90 135	85 213	16	31	N	1
Ariz. Utah	514 170	433 130	390 39	272 22	9	28			4	1
Nev.	127	165	53	44	2	-				
PACIFIC	3,711	3,923	1,835	1,970	468	445	3		-	
Wash.	392	382	119	117	38	46	-		N	P
Oreg.	309	273	184	76	N	N	N	N	N	1
Calif.	2,801	3,015	1,489	1,726	344	343	N	N	N	1
Alaska	55	46	7	4	96	56	3	-	N	1
Hawaii	154	207	36	47	86					
Guam	477	37	2	27	NI.	NI.	N	4 N	Ñ	1
P.R.	177	385	3	28	N	N	14	IN	14	,
V.I. Amer. Samoa	U	Ú	Ú	Ú	u	U	U	U	U	Į.
C.N.M.I.		ŭ		Ü		U		U		1

N: Not notifiable. U: Unavailable. -: No reported cases.

\* Incidence data for reporting years 2002 and 2003 are provisional and cumulative (year-to-date).

TABLE II. (Continued) Provisional cases of selected notifiable diseases, United States, weeks ending September 27, 2003, and September 28, 2002 (39th Week)\*

		Sypl	hilis						Varicella
	Primary &	secondary	Cong	enital	Tubero	culosis	Typhoi	d fever	(Chickenpox
leporting area	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003	Cum. 2002	Cum. 2003
NITED STATES	4,976	4,968	268	307	7,972	9,462	217	236	9,238
EW ENGLAND	150	108	1		221	296	21	11	1,297
laine	6	2	1	*	5	10			640
.H.	13	2		*	7	10	2		-
t.	***	1	· n		3	4			518
lass.	101 15	75 6	-	*	146 27	156 41	11	7	136
onn.	15	22			33	75	6	4	3
IID. ATLANTIC	610	529	50	49	1.562	1.633	33	62	26
pstate N.Y.	32	23	17	1	210	235	8	7	N
Y. City	340	313	25	21	847	783	13	31	
l.J.	115	111	8	26	294	373	9	16	*
a.	123	82	*	1	211	242	3	8	26
N. CENTRAL	661	924	50	44	824	949	16	25	3,950
hio	164	117	3	2	152	152	2	6	947
d.	34 254	48 355	7 15	33	94 391	83 457	3	2	
lich.	198	385	25	7	151	203	10	10	2,408
lis.	11	19	-		36	54		4	595
V.N. CENTRAL	100	93	4	1	344	408	4	9	39
finn.	34	43	-	i	138	172	-	3	N
owa	4	2			17	24	2		N
fo.	36	26	4	*	91	110	1	2	*
I. Dak. S. Dak.	1				16	4			39
lebr.	4	5			16 10	10 20	1	4	
ans.	21	17			72	68		-	
ATLANTIC	1,326	1.245	48	69	1,584	1.948	40	30	1.655
iel.	4	10	40	-	1,504	13	40	-	21
1d.	220	149	8	13	172	217	8	7	
).C.	38	41	1	1		-		-	22
a. V. Va.	63	53	1	1	186 12	204 26	11	3	466
I.C.	122	219	16	17	231	242	7	1	967 N
S.C.	81	94	4	9	120	135			179
ia.	321	272	5	13	250	393	7	5	*
la.	475	405	14	15	613	718	7	14	N
S. CENTRAL	233	372	12	21	472	571	4	4	*
y.	29	73	1	3	89	99		4	N
enn. Ila.	96 90	135 130	5	7	157	223	2		N
Aiss.	18	34	2	4	159 67	157 92	2		*
V.S. CENTRAL	677	642	49	68	1,077	1,434	46	24	1 000
irk.	41	27	49	7	69	98	15	24	1,839
a.	103	117			-	-			4
Okla.	34	51	1	2	90	123			N
ex.	499	447	48	59	918	1,213	15	24	1,835
MOUNTAIN	218	239	21	13	291	303	5	9	432
Mont, daho			-		5	6			N
Vyo.	5	1			5	11	-	-	N 44
Colo.	19	50	3	2	62	64	3	4	44
I. Mex.	38	26			6	29		1	
iriz.	143	148	18	11	159	156	2		4
Itah lev.	4 9	5			29	21		2	384
		9			22	14		2	
PACIFIC Vash.	1,001	816	33	42	1,597	1,920	79	62	
vasn. Dreg.	58 32	44 12		1	187 83	182 88	3	4 2	
Calif.	909	753	33	40	1,238	1,497	71	53	
Alaska	*			-	43	39		-	-
Hawaii	2	7	-	1	46	114	1	3	
Guam		6			6	55			
P.R.	152	193	1	21	75	86			288
V.I. Amer. Samoa	1	1		i.					
C.N.M.I.	U	U	U	U	U	U	U	U	U

N: Not notifiable. U: Unavailable. - : No reported cases.
\* Incidence data for reporting years 2002 and 2003 are provisional and cumulative (year-to-date).

Reporting Area	1 122 U.S. cities,* week ending September 27  All causes, by age (years)								All causes, by age (years)						
	All Ages	≥65	45-64	25-44	1-24	<1	P&I <sup>†</sup> Total	Reporting Area	All Ages	≥65	45-64	25-44	1-24	<1	P&I <sup>1</sup> Tota
NEW ENGLAND	554	366	123	34	12	19	44	S. ATLANTIC	1,134	704	264	98	33	35	48
Boston, Mass.	149	88	33	19	5	4	13	Atlanta, Ga.	146	89	38	9	6	4	3
Bridgeport, Conn.	48	35	12	*		1	3	Baltimore, Md.	140	79	40	14	3	4	12
Cambridge, Mass.	14	11	2	*	*	1	4	Charlotte, N.C.	85	46	23	11	4	1	1
Fall River, Mass.	27	16	9	*	2	*	3	Jacksonville, Fla.	131	92	25	7	3	4	6
Hartford, Conn.	47	25	12	2	1	7	4	Miami, Fla.	113	75	23	10	2	3	4
owell, Mass.	17	12	3	2	~	-		Norfolk, Va.	67	37	13	8	4	5	3
ynn, Mass.	13	8	5		*			Richmond, Va.	45	23	12	6	3	1	1
New Bedford, Mass.	31	23	3	4	-	1	1	Savannah, Ga.	55	36	14	3	-	2	1
New Haven, Conn.	34	24	8	1	1		4	St. Petersburg, Fla.	68	41	16 27	6	2	3 7	3
Providence, R.I.	47	32	13		1	1	4	Tampa, Fla.	160	111	29	7	5	1	8
Somerville, Mass. Springfield, Mass.	4	3	7	2	1	3		Washington, D.C.	101	59 16	4	3	5	1	3
	45 32	26	6	۷.	,	3	1 2	Wilmington, Del.	23	10	**	3			
Waterbury, Conn. Worcester, Mass.	46	31	10	4		1	5	E.S. CENTRAL	772	478	188	62	26	17	52
WOICester, Mass.	40	21		4				Birmingham, Ala.	165	112	29	13	7	3	14
MID. ATLANTIC	1,987	1,361	402	150	36	28	95	Chattanooga, Tenn.	68	46	13	7	2	*	3
Albany, N.Y.	55	40	7	6	2	~	5	Knoxville, Tenn.	92	59	23	4	5	1	1
Allentown, Pa.	18	12	1	5			1	Lexington, Ky.	69	41	20	3	1	4	7
Buffalo, N.Y.	82	58	16	5		3	10	Memphis, Tenn.	116	70	32	10	1	3	9
Camden, N.J.	26	16	7	2	1	*	4	Mobile, Ala.	60	37	14	5	3	1	4
Elizabeth, N.J.	10	6	3	1	*			Montgomery, Ala.	49	27	15	5	2		4
Erie, Pa.	47	34	9	4	*		3	Nashville, Tenn.	153	86	42	15	5	5	10
Jersey City, N.J.	55	40	9	4		2		W.S. CENTRAL	1,423	890	302	123	69	39	65
New York City, N.Y.	1.026	703	207	76	15	15	39	Austin, Tex.	73	49	21	1		2	5
Newark, N.J.	50	27	15	3	4	1	7	Baton Rouge, La.	U	U	U	U	U	U	U
Paterson, N.J.	13	6 125	5	1 25	7	1	7	Corpus Christi, Tex.	72	51	14	5	1	1	
Philadelphia, Pa.	212	22	54	1	2	1	2	Dallas, Tex.	207	137	36	24	6	4	10
Pittsburgh, Pa. Reading, Pa.	25	19	4		2	2	-	El Paso, Tex.	86	68	14	2	2		1
Rochester, N.Y.	143	109	23	8	2	1	11	Ft. Worth, Tex.	104	62	31	9	2	-	4
Schenectady, N.Y.	11	9	2	0	~		2	Houston, Tex.	439	236	91	48	45	19	23
Scranton, Pa.	25	20	5				Airy .	Little Rock, Ark.	69	51	11	2	3	2	1
Syracuse, N.Y.	99	74	15	5	2	3	4	New Orleans, La.	41	23	15	3	*		
Trenton, N.J.	48	31	13	4	-	-		San Antonio, Tex.	194	121	40	17	9	7	11
Utica, N.Y.	12	10	2					Shreveport, La.	47	29	11	5		2	9
Yonkers, N.Y.	U	U	U	U	U	U	U	Tulsa, Okla.	91	63	18	7	1	2	1
E.N. CENTRAL	2,036	1,336	441	132	51	70	116	MOUNTAIN	898	555	159	55	25	19	48
Akron, Ohio	57	38	15	3	1	10	5	Albuquerque, N.M.	55	40	10	3	2		2
Canton, Ohio	33	26	5	1	1		2	Boise, Idaho	42	32	7		2	1	4
Chicago, III.	367	219	94	28	11	9	20	Colo. Springs, Colo.	80	48	16		3		3
Cincinnati, Ohio	82	54	16	9	1	2	5	Denver, Colo.	106	67	22		2	8	8
Cleveland, Ohio	122	77	26	9	3	7	7	Las Vegas, Nev.	236	157	53		2	8	11
Columbus, Ohio	216	142	46	12	5	11	15	Ogden, Utah	33	25	6				-
Dayton, Ohio	98	70	18	4	5	1	4	Phoenix, Ariz.	90	4		1			7
Detroit, Mich.	222	129	63	19	3	8	15	Pueblo, Colo.	25	19	4				
Evansville, Ind.	49	30	10	5	4		3	Salt Lake City, Utah	97	65	14		9	2	5
Fort Wayne, Ind.	80	63	13	2	*	2	5	Tucson, Ariz.	134	98	27	4	5		
Gary, Ind.	17	9	6	*	*	2	1	PACIFIC	1,447	1,011	289	84	39	24	108
Grand Rapids, Mich.	36	25	5	3	1	2	5	Berkeley, Calif.	12	8	1	1	1	1	2
Indianapolis, Ind.	230	147	47	16	10	10	12	Fresno, Calif.	163	115	31		5		15
Lansing, Mich.	45	30	9	5	1	*	1	Glendale, Calif.	17	15	2				
Milwaukee, Wis.	109	69	28	6	2	4	5	Honolulu, Hawaii	80	60	15		1	1	8
Peoria, III.	31	25	1	1	*	4	2	Long Beach, Calif.	82	60	17		2	1	
Rockford, III.	55	43	7	1		4	3	Los Angeles, Calif.	276	199	51		6	8	17
South Bend, Ind.	43	34	5	2	*	2	1	Pasadena, Calif.	U	U	U		U	U	l
Toledo, Ohio	85	58	17	6	3	1	5	Portland, Oreg.	214	139	51		4	6	14
Youngstown, Ohio	59	48	10		~	1	*	Sacramento, Calif.	U	U	U		U	U	L
W.N. CENTRAL	541	378	106	36	12	9	28	San Diego, Calif.	176	122	39		1	1	17
Des Moines, Iowa	126	80	34	8	3	1	4	San Francisco, Calif.	U	U	U		U	U	
Duluth, Minn.	23	18	3	2	-		1	San Jose, Calif.	143	95	26		4	2	
Kansas City, Kans.	21	13	5	2	1		2	Santa Cruz, Calif.	29	23	6		-		
Kansas City, Mo.	105	78	19	4	4		6	Seattle, Wash.	109	73	22		4	1	
Lincoln, Nebr.	35	29	5	1			2	Spokane, Wash.	47	32	9		2	1	
Minneapolis, Minn.	75	43	19	7	2	4		Tacoma, Wash.	99	70	19	5	3	2	
Omaha, Nebr.	59	45	8	4	1	1		TOTAL	10,792	7,079	2,274	774	303	260	60
St. Louis, Mo.	U	U	Ŭ		Ü	U									
St. Paul, Minn.	56	41	6			2									
Wichita, Kans.	41	31	7		1	1									

U: Unavailable. ∴No reported cases.

\* Mortality data in this table are voluntarily reported from 122 cities in the United States, most of which have populations of ≥100,000. A death is reported by the place of its occurrence and by the week that the death certificate was filed. Fetal deaths are not included.

\* Pneumonia and influenza.

Because of changes in reporting methods in this Pennsylvania city, these numbers are partial counts for the current week. Complete counts will be available in 4 to 6 weeks.

\* Total includes unknown ages.

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